Image

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No.: JARTYN

In re Application of:	)
HERMANN JARTYN	)
Appl. No.: 10/661,003	)
Filed: September 11, 2003	)
For: AUTOMATION SYSTEM	)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450", on **November 19, 2003**
(Date)

HENRY M. FEIEREISEN
Name of Registered Representative

Signature

11-19-2003
Date of Signature

S I R:

In accordance with 37 C.F.R. 1.56, applicant wishes to call the attention of the Examiner to the following reference A) which was cited in the instant specification and to references B) to K). Applicant does not admit that any of the cited documents constitutes prior art against the pending application.

	Country:	Patent or Appl. No:	Patentee or Applicant:	Issue or Filing Date:
A)	"Profibus", Profibus Profile Version 3			09-00-2000
B)	"Bus-Protokolle im Vergleich .."			01-00-1995
C)	W. Blome: "InterBus-S Netzwerk mit hoher Dynamik"			00-00-1992
D)	R. Bent: "Die vier Dimensionen von Interbus"			07/08-1999
E)	Germany	DE 198 53 205 A1	Heß et al.	06-15-2000
F)	Germany	DE 100 55 163 A1	Wiens et al.	07-04-2002
G)	Germany	DE 199 55 306 C1	Biehler et al.	06-28-2001
H)	Germany	DE 198 13 923 A1	Nitschke et al.	10-14-1999
I)	Germany	DE 198 40 562 A1	Meyer-Gräfe	03-16-2000
J)	Germany	DE 196 21 384 A1	Yamashita	11-28-1996
K)	Germany	DE 42 13 792 A1	Oréans	10-28-1993

Copies of these references are submitted herewith along with form PTO-1449. The Examiner is requested to initial the attached form PTO-1449 and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

[X] This Information Disclosure Statement is filed within three months of the filing date of a national application other than a continued prosecution application under 1.53(d), so that no fee under 37 C.F.R. §1.97 is due.

[ ] This Information Disclosure Statement is filed within three months of the date of entry of the national stage as set forth in 1.491 in an international application, so that no fee under 37 C.F.R. §1.97 is due.

[ ] This Information Disclosure Statement is filed before the mailing of a first Office Action on the merits, so that no fee under 37 C.F.R. §1.97 is due.

[ ] This Information Disclosure Statement is filed before the mailing of a first Office Action after the filing of a request for continued examination under §1.114, so that no fee under 37 C.F.R. §1.97 is due.

[ ] This Information Disclosure Statement is filed after the issuance of a first office but before issuance of a final action under §1.113, or a notice of allowance under §1.311.

[ ] This Information Disclosure Statement is submitted after the mailing of a final action or a notice of allowance, but before payment of the issue fee.

[ ] The undersigned submits the following statement requesting consideration of this statement:

The undersigned hereby states:

[ ] That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement;

[ ] That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the information disclosure statement.

[ ] The fee of $180.00 set forth in 1.17(p).

[ ] The Commissioner is hereby authorized to charge the fee as set forth in 1.17(p), and any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-0502.

[X] The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 06-0502.

In order to satisfy the requirement under 37 C.F.R. §1.98(a)(3) for a concise explanation of the relevance of each item of information, applicant herewith notes with respect to any information that is not in English language as follows:

Reference B) C) and D) relate to a data transmission protocol in the form of the interbus protocol if an interbus is used as the field bus.

Reference E) describes a system and method based on a range of hardware modules, which are provided with adequate computing capacity, a real-time operating system and specific basic functionality, a network (for example Profibus) for constructing a decentralized system with distributed control functionality and also operating and monitoring units with planned interfaces. A configurable, distributable and programmable control software system is provided for individually adapting the control solution to the client's requirements, with which the planned control solution is distributed among hardware modules and in which an engineering system used for management, configuration, programming, monitoring, debugging and commissioning.

Reference F) describes a data bus having slave nodes executing functions based on addressed command telegrams of an electronic main control unit which

is also connected to said data bus. The command telegrams contain an identification field for addressing the commands whereby a reduced number of identification data is provided for said identification field. All functions which can be executed by the form of slave nodes on the data bus are respectively associated with at least one function number. Each slave node includes a first non-volatile memory area, wherein the function numbers of the functions, which can executed by a respective slave node are securely stored. Each slave node includes a second programmable memory area, wherein identification information provided for the identification field can be stored associated with each function number stored by means of a special command telegram from the electronic main control unit to each function number stored in the first memory area.

Reference G) describes a communication subscriber (P) that is suitable as an interface between a network (N) and a field bus (BU). The communication subscriber (P) is provided with software objects (A',B') for representing devices (A,B) that can be connected via the field bus. The software objects are addressable via the network (N) like the devices (A,B) themselves so that devices with field bus connection only can also be integrated in powerful networks.

Reference H) describes a central control unit (ZS) and several data processing units (DV1, DV2) for controlling restraint devices (RH1, ..., RHk) that are coupled to a bus line (BL). The central control unit (ZS) sends interrogation or control signals in the form of data telegrams to an individual or to all data processing units (DV1, DV2). The data processing units (DV1, DV2) send back response signals to the central control unit (ZS) to answer given interrogation or

control signals. In order to enable sure allocation of interrogation and control signals to the data processing units (DV1, DV2) and reliable detection of monitoring data of the data processing units (DV1, DV2) and their restraint devices (RH1, ..., RHk), the interrogation or control signals are data telegrams, all having the same frame structure (I, II, III) consisting of a first area (I) with n control bits, a second area (II) with m information bits and a third area (III) with p check bits.

Reference I) describes a system with a serial field bus with a connected master unit and at least one bus subscriber with at least one safety-related input and/or output device for other system components that can communicate over the field bus. The field bus data flow (15) is updated over the field bus and a system component is switched via the output device in response to the data flow. The data flow contains a serial number (26) associated with the input device and an interruption of the data flow or the serial number results in switching of the associated system components into a safe state.

Reference J) describes a control procedure involving a control system basic unit connected to several distributed remote input/output units via a serial communications system. Communication is carried out by a time-division multiplex method in both directions between the basic and remote units. When the basic system begins to operate, this automatically causes communications to be in an off-line status communication mode, which is different from a normal input/output system operational mode. This defines the type of the distributed remote input/output unit and of the data entered into the distributed remote input/output unit.

Reference K) describes a control method provided for a data transmission system having a number of subscribers coupled to a common bus line. Information is transmitted in the form of a central output poll (COP) that has a synchronization byte (sync) and a frame control (FCI) byte to identify different telegram types having data blocks (OD1-ODn). A test byte in the form of a frame check sequence (FCS) controls the transmission. An input response transmission has a synchronization byte followed by a frame control byte, identification data and a block check character.

The above-identified application discloses and claims an invention patentable over this prior art.

Entry of the references above set forth into the file of the above application is believed to be in order and is respectfully requested.

Respectfully submitted

By: _____

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OIPE JC173 NOV 21 2003 PATENT & TRADEMARK OFFICE

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

INFORMATION DISCLOSURE CITATION

Attorney's Docket No.	Applicant	Appl. No.
JARTYN	Siemens Aktiengesellschaft	10/661,003
Filing Date	**Group**	**Examiner**
September 11, 2003		

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date, if appropriate

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation
	DE 198 53 205 a1	06-15-2000	Germany			No
	DE 100 55 163 A1	07-04-2002	Germany			No
	DE 199 55 306C1	06-28-2001	Germany			No
	DE 198 13 923 A1	10-14-1999	Germany			No
	DE 198 40 562 A1	03-16-2000	Germany			No
	DE 196 21 384 A1	11-28-1996	Germany			No
	DE 42 13 792 A1	10-28-1993	Germany			No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Profibus Profile-Order No. 3.172, September 2000
		"Bus-Protokolle im Vergleich; Heute: Der InterBus-S", in: Automation Precision, January 1995
		W. Blome: „InterBus-S Netzwerk mit hoher Dynamik" in: Elektrie, Berlin 46, 1992
		R. Bent: „Die vier Dimensionen von Interbus", in: mpa, 07/08-1999

Examiner:	**Date considered:**

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.